

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P530955

Luminaire Tested: **GALN-SA6B-727-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530955
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-727-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14719 lumens
Efficiency: N/A
Efficacy: 60.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

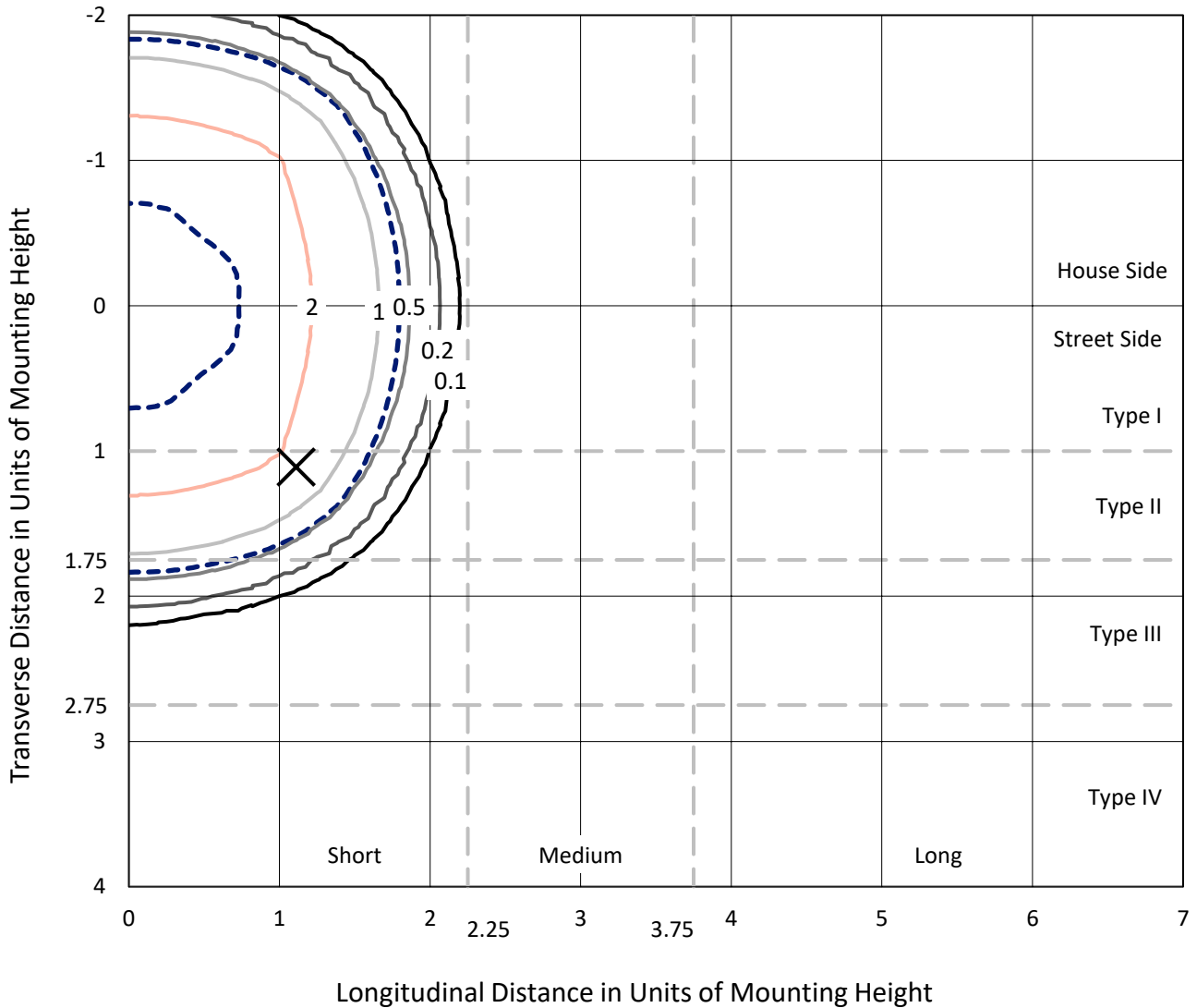
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

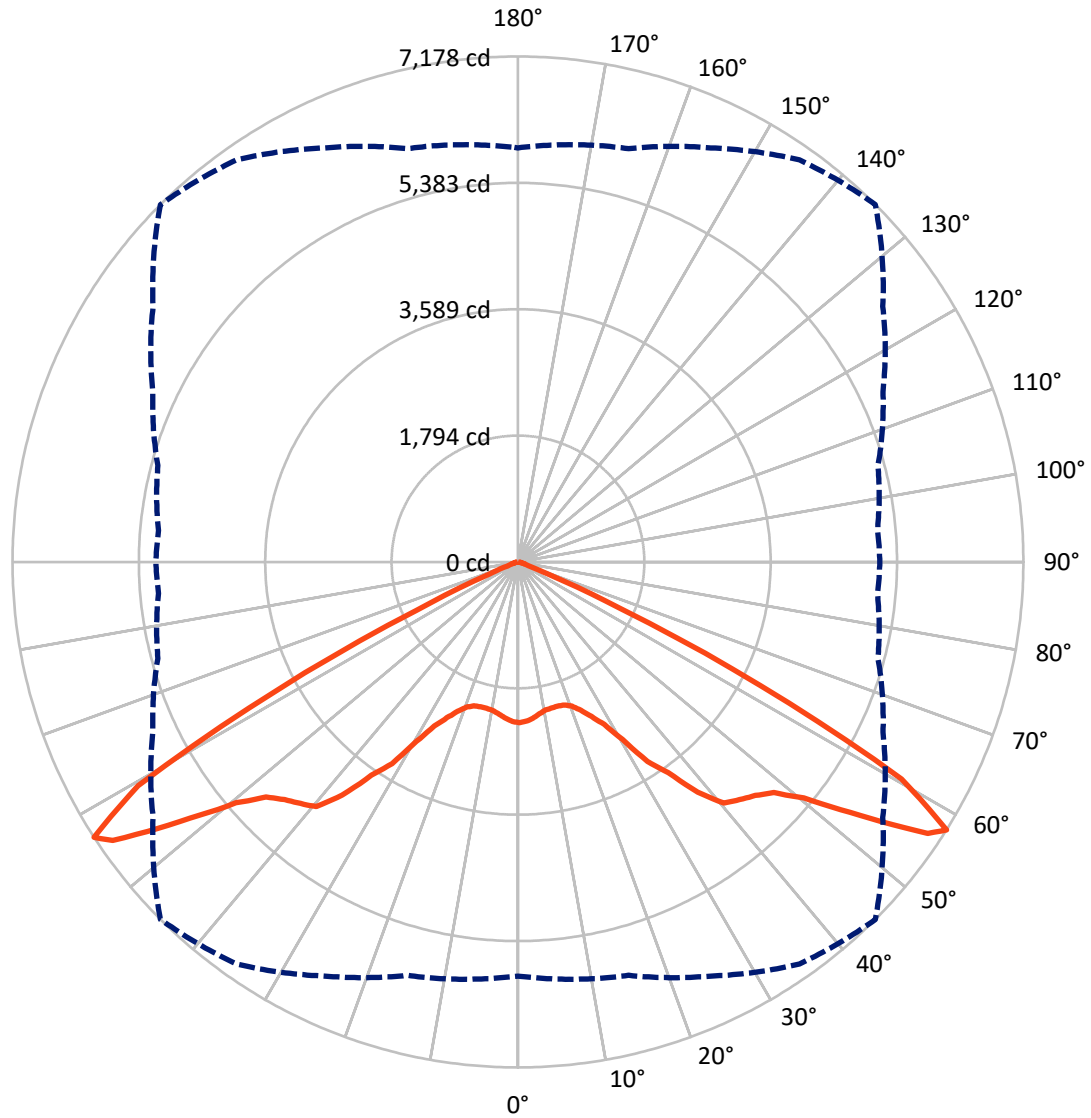
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7359.5	0.0	7359.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7359.5	0.0	7359.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14719.0	0.0	14719.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.8	1.4
10°-20°	606.4	4.1
20°-30°	1119.4	7.6
30°-40°	2201.4	15.0
40°-50°	3585.5	24.4
50°-60°	5113.3	34.7
60°-70°	1770.4	12.0
70°-80°	95.0	0.6
80°-90°	17.8	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	14719.0	100.0
0°-180°	14719.0	100.0

Coefficient of Utilization



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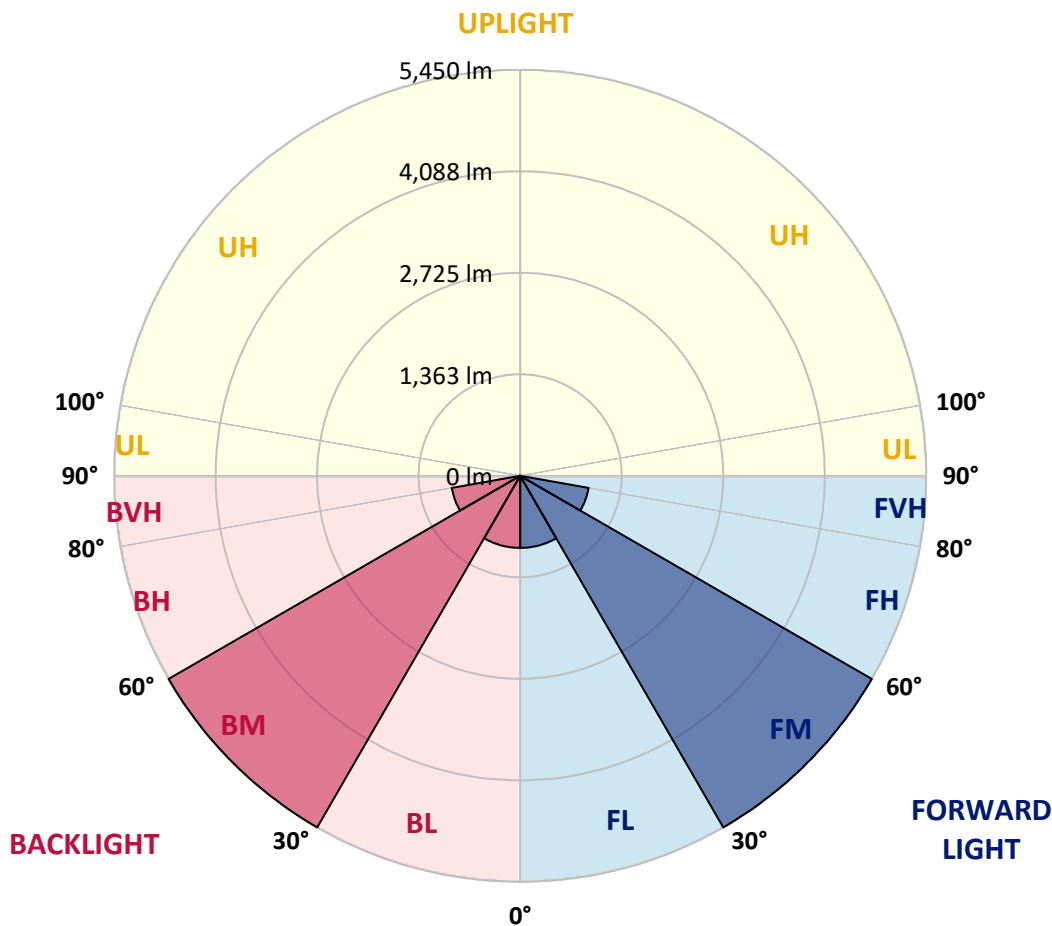
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	967.8	6.6			
FM (30°-60°)	5450.1	37.0			
FH (60°-80°)	932.7	6.3			G1/1800
FVH (80°-90°)	8.9	0.1			G0/10
BL (0°-30°)	967.8	6.6	B2/1000		
BM (30°-60°)	5450.1	37.0	B4/8500		
BH (60°-80°)	932.7	6.3	B2/1000		G1/1800
BVH (80°-90°)	8.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2283.1	2283.1	2283.1	2283.1	2283.1	2283.1	2283.1	2283.1	2283.1	2283.1	2283.1
2.5°	2276.9	2289.2	2273.9	2267.7	2264.7	2264.7	2255.5	2255.5	2252.4	2255.5	2243.2
5°	2240.1	2252.4	2252.4	2249.3	2230.9	2227.8	2218.6	2212.5	2215.6	2203.3	2212.5
7.5°	2203.3	2212.5	2200.2	2197.1	2191.0	2178.7	2175.7	2148.1	2151.1	2151.1	2157.3
10°	2197.1	2194.1	2175.7	2160.3	2141.9	2138.8	2129.6	2123.5	2123.5	2120.4	2129.6
12.5°	2197.1	2181.8	2178.7	2145.0	2114.3	2126.6	2102.0	2086.7	2108.2	2114.3	2126.6
15°	2194.1	2209.4	2157.3	2141.9	2120.4	2123.5	2102.0	2086.7	2099.0	2105.1	2114.3
17.5°	2212.5	2203.3	2187.9	2157.3	2148.1	2135.8	2108.2	2095.9	2095.9	2111.2	2114.3
20°	2261.6	2237.0	2206.4	2191.0	2200.2	2184.9	2151.1	2105.1	2117.4	2129.6	2138.8
22.5°	2307.6	2289.2	2267.7	2258.5	2310.7	2286.1	2227.8	2175.7	2157.3	2178.7	2194.1
25°	2396.6	2396.6	2356.7	2369.0	2427.3	2430.4	2362.9	2270.8	2258.5	2267.7	2273.9
27.5°	2577.7	2586.9	2553.1	2565.4	2589.9	2611.4	2553.1	2476.4	2448.8	2445.7	2454.9
30°	2774.1	2792.5	2789.4	2841.6	2912.1	2924.4	2838.5	2712.7	2629.8	2614.5	2626.8
32.5°	3031.8	3041.0	3034.9	3096.3	3286.5	3375.5	3151.5	2973.5	2863.0	2890.7	2863.0
35°	3516.7	3507.5	3439.9	3452.2	3608.7	3673.2	3458.4	3344.8	3292.7	3347.9	3335.6
37.5°	3934.0	3900.2	3845.0	3924.8	4087.4	4145.7	3921.7	3722.3	3627.1	3719.2	3759.1
40°	4286.9	4201.0	4124.3	4204.0	4421.9	4501.7	4173.4	4010.7	3973.9	4041.4	4127.3
42.5°	4584.6	4529.3	4428.1	4434.2	4578.4	4615.2	4351.3	4256.2	4219.4	4326.8	4369.7
45°	4796.3	4744.1	4649.0	4642.9	4753.3	4728.8	4492.5	4428.1	4449.5	4520.1	4541.6
47.5°	4903.7	4931.3	4876.1	4891.4	4949.7	4891.4	4704.2	4704.2	4655.1	4698.1	4676.6
50°	5213.6	5127.7	5198.3	5198.3	5259.7	5265.8	5078.6	5011.1	4879.1	4805.5	4805.5
52.5°	5575.7	5581.9	5609.5	5710.7	5815.1	5904.1	5637.1	5348.6	5127.7	5032.6	5020.3
55°	5873.4	5934.8	6045.2	6235.5	6536.2	6659.0	6198.7	5683.1	5413.1	5265.8	5235.1
56°	6036.0	5977.7	6168.0	6428.8	6821.6	6981.2	6290.7	5750.6	5453.0	5287.3	5284.2
57.5°	5879.5	5944.0	6075.9	6487.1	6968.9	7177.6	6324.5	5720.0	5293.4	5124.6	5140.0
60°	4642.9	4704.2	4882.2	5342.5	6097.4	6260.0	5351.7	4716.5	4336.0	4093.6	4096.6
62.5°	2626.8	2672.8	2810.9	3237.4	3706.9	3863.4	3335.6	2912.1	2648.2	2513.2	2470.3
65°	966.6	948.2	969.7	1187.6	1476.0	1608.0	1387.0	1172.2	1034.1	985.0	966.6
67.5°	362.1	334.5	313.0	334.5	420.4	445.0	408.1	340.6	319.1	328.3	334.5
70°	224.0	211.7	168.8	159.6	156.5	153.4	162.6	171.8	196.4	230.1	236.3
72.5°	156.5	147.3	119.7	113.5	107.4	104.3	119.7	132.0	153.4	178.0	181.0
75°	61.4	64.4	61.4	67.5	70.6	73.6	85.9	95.1	104.3	104.3	101.3
77.5°	12.3	12.3	18.4	24.5	30.7	39.9	58.3	67.5	70.6	67.5	58.3
80°	0.0	0.0	6.1	12.3	24.5	33.8	52.2	58.3	64.4	58.3	46.0
82.5°	0.0	0.0	6.1	15.3	24.5	30.7	49.1	61.4	70.6	64.4	49.1
85°	0.0	0.0	6.1	12.3	18.4	21.5	21.5	15.3	15.3	9.2	6.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)